

**Technical Data Sheet**

| <b>PRODUCT NAME:- MOC ORANGE PO34</b>                  |                             |                          |           |           |                        |           |
|--|-----------------------------|--------------------------|-----------|-----------|------------------------|-----------|
| <b>PRODUCT CODE :- 4121</b>                            |                             |                          |           |           |                        |           |
| <b>APPLICATION: Film, Molding &amp; Color Compound</b> |                             |                          |           |           |                        |           |
| SL NO.   | PROPERTIES                  | METHOD                   | RANGE     |           | RESULT                 |           |
|  |                             |                          | LOWER     | UPPER     |                        |           |
| 1  | CARRIER RESIN               | --                       | --        | --        | PE                     |           |
| 2  | PELLET SHAPE                | Cylindrical/Spherical    | --        | --        | Cylindrical            |           |
| 3  | PIGMENT.                    | CAS NO.                  | --        | --        | 15793-73-4             |           |
| 4  | POLYMER                     | CAS NO.                  | --        | --        | 9002-88-4              |           |
| 5  | ADDITIVE                    | CAS NO.                  | --        | --        | 9002-88-4              |           |
| 6  | MFI 190°C/2.16 Kgs.         | ASTM D 1238              | 0.5       | 10        | 1.65 gm/10 mint        |           |
| 7  | SPECIFIC GRAVITY            | ASTM D 792               | 1.00      | 1.10      | 1.02 g/cm <sup>3</sup> |           |
| 8  | MOISTURE CONTENT<br>105°C   | ASTM D 789               | 0.01      | 0.15      | 0.07%                  |           |
| 9  | ANTIOXIDANT<br>CONTENT      | %                        | --        | --        | 0.1%                   |           |
| 10   | PIGMENT CONTENT             | %                        | --        | --        | 40%                    |           |
| 11   | PELLET SIZE                 | Vernier Scale (mm)       | 2 mm      | 3 mm      | 2 mm                   |           |
| 12   | PELLET COUNT                | No'S/1gm                 | 90        | 100       | 100 NoS/1gm            |           |
| 13   | HEAT STABILITY              | ISO 105 A02              | 220°C     | 220°C     | 220°C                  |           |
| 14   | MIGRATION                   | In Oil 70°C/48 hrs       | 1         | 5         | 4                      |           |
| 15   | FILM MICROSCOPIC<br>EXAMINE | In 30 micron film (Spot) | 1         | 7         | 2                      |           |
| 16   | TOXICITY                    | --                       | --        | --        | Non-toxic              |           |
| 17   | BULK DENSITY                | ASTM D 1895/GM/CC        | 0.60      | 0.70      | 0.65                   |           |
| 18   | LIGHT FASTNESS              | ISO 105 B02              | FULL TONE | TINT TONE | FULL TONE              | TINT TONE |
|  |                             |                          | 6         | 5         | 6                      | 5         |
| 19   | WEATHER RESISTANCE          | DIN 54001                | FULL TONE | TINT TONE | FULL TONE              | TINT TONE |
|  |                             |                          | --        | --        | --                     | --        |

**For Prayag polytech (P) ltd.**



Technical Manager